

06/19/01  
JC879 U.S. PTO

06-20-01

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PTO/SB/05 (03-01)  
Approved for use through 10/31/2002 OMB 0651-0032

U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. **DYX-012.1 US**  
First Inventor **Ley**  
Title **NOVEL ENTEROKINASE CLEAVAGE SEQUENCES**  
Express Mail Label No. **EL164335234 US**

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
- ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
- ☒ Specification [Total Pages **54**]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **2**]
- Oath or Declaration [Total Pages **3**]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
- ☐ Application Data Sheet See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - ☒ Computer Readable Form (CRF)
  - Specification Sequence Listing on.
    - ☐ CD-ROM or CD-R (2 copies), or
    - ☒ paper
  - ☒ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement of Power of Attorney  
(when there is an assignee)
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 } Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
- ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
- ☐ Other

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. \_\_\_\_\_  
Prior application information Examiner **(not yet assigned)** Group Art Unit **(not yet assigned)**

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label (Insert Customer No. or Attach bar code label here) or ☒ Correspondence address below

Name **Leon R. Yankwich, Esq.**  
**YANKWICH & ASSOCIATES**  
Address **130 Bishop Allen Drive**  
City **Cambridge** State **Massachusetts** Zip Code **02139**  
Country **U.S.A.** Telephone **(617) 491-4343** Fax **(617) 491-8801**

Name (Print/Type) **Leon R. Yankwich** Registration No. (Attorney/Agent) **30,237**  
Signature **Leon R. Yankwich** Date **19 June 2001**

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

JC879 U.S. PTO  
06/19/01

In re Application of: Ley et al.

Serial No.: (not yet assigned)

Art Unit: (not yet known)

Filed: (concurrently herewith)

Examiner: (not yet known)

Entitled: NOVEL ENTEROKINASE  
CLEAVAGE SEQUENCES

Attorney Docket No.: DYX-012.1 US

Asst. Commissioner for Patents

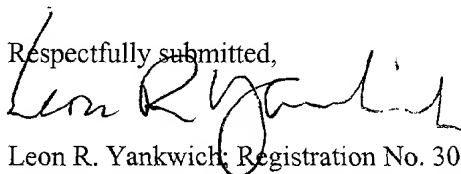
**Box Patent Application**

Washington, D.C. 20231

UTILITY APPLICATION TRANSMITTAL

1. Fee Transmittal form PTO/SB/17 (in duplicate).
2. Utility Patent Application Transmittal form PTO/SB/05.
3. Application specification of 54 pages (including Claims and Abstract of the Disclosure).
4. Formal drawings (2 sheets).
5. Unexecuted Inventor's combined declaration for patent and power of attorney.
6. Sequence Listing;  
(a) computer readable form (CRF), (b) paper copy, and (c) statement under 37 CFR 1.821(f).
7. Return receipt post card.
8. Check No. 3555 in the amount of \$ 976.00 to cover the application filing fee.

Respectfully submitted,



Leon R. Yankwich; Registration No. 30,237

David G. O'Brien; Registration No. 46,125

Attorneys for Applicant

YANKWICH & ASSOCIATES

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Cambridge, Massachusetts 02139

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CERTIFICATE OF MAILING BY "EXPRESS MAIL"

The undersigned hereby certifies that this correspondence listed above is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR §1.10, postage prepaid, Express Mailing Label No. **EL164335234US**, in an envelope addressed to the Asst. Commissioner for Patents, Box Patent Application, Washington, D.C. 20231 on the date indicated below.

19 June 2001

Date



Stephanie L. Leicht

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**FEE TRANSMITTAL  
for FY 2001**

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT (\$) 976.00

**Complete if Known**

Application Number	(not yet assigned)
Filing Date	19-June-2001
First Named Inventor	Ley
Examiner Name	(not yet assigned)
Group Art Unit	(not yet assigned)
Attorney Docket No.	DYX-012.1 US

**METHOD OF PAYMENT**

- 1.
- ☒
- The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number	50-0268
Deposit Account Name	Yankwich & Associates

- ☒
- Charge Any Additional Fee Required
- 
- Under 37 CFR 1.16 and 1.17

- ☒
- Applicant claims small entity status
- 
- See 37 CFR 1.27

- 2.
- ☒
- Payment Enclosed: (check #3555)

☒ Check ☐ Credit card ☐ Money Order ☐ Other**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
101 710	201 355	Utility filing fee	355.00
106 320	206 160	Design filing fee	
107 490	207 245	Plant filing fee	
108 710	208 355	Reissue filing fee	
114 150	214 75	Provisional filing fee	

SUBTOTAL (1) (\$) 355.00

**2. EXTRA CLAIM FEES**

Total Claims	Extra Claims	Fee from below	Fee Paid
49	-20** = 29	9.00	261.00
12	-3** = 9	40.00	360.00
Multiple Dependent		135	00

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
103 18	203 9	Claims in excess of 20
102 80	202 40	Independent claims in excess of 3
104 270	204 135	Multiple dependent claim, if not paid
109 80	209 40	** Reissue independent claims over original patent
110 18	210 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 621.00

\*\*or number previously paid, if greater, For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
105 130	205 65	Surcharge - late filing fee or oath	
127 50	227 25	Surcharge - late provisional filing fee or cover sheet	
139 130	139 130	Non-English specification	
147 2,520	147 2,520	For filing a request for <i>ex parte</i> reexamination	
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	
115 110	215 55	Extension for reply within first month	
116 390	216 195	Extension for reply within second month	
117 890	217 445	Extension for reply within third month	
118 1,390	218 695	Extension for reply within fourth month	
128 1,890	228 945	Extension for reply within fifth month	
119 310	219 155	Notice of Appeal	
120 310	220 155	Filing a brief in support of an appeal	
121 270	221 135	Request for oral hearing	
138 1,510	138 1,510	Petition to institute a public use proceeding	
140 110	240 55	Petition to revive - unavoidable	
141 1,240	241 620	Petition to revive - unintentional	
142 1,240	242 620	Utility issue fee (or reissue)	
143 440	243 220	Design issue fee	
144 600	244 300	Plant issue fee	
122 130	122 130	Petitions to the Commissioner	
123 50	123 50	Processing fee under 37 CFR 1.17(q)	
126 180	126 180	Submission of Information Disclosure Stmt	
581 40	581 40	Recording each patent assignment per property (times number of properties)	
146 710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149 710	249 355	For each additional invention to be examined (37 CFR § 1.129(b))	
179 710	279 355	Request for Continued Examination (RCE)	
169 900	169 900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) \_\_\_\_\_

**SUBMITTED BY**

Name (Print/Type)	Leon R. Yankwich	Registration No. (Attorney/Agent)	30,237	Telephone	(617) 491-4343
Signature		Date	19 June 2001		

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

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2001 JUN 19 14:34:34

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Ley et al.	
Serial No.:	(not yet assigned)	Art Unit: (not yet assigned)
Filed:	(concurrently herewith)	Examiner: (not yet known)
Entitled:	NOVEL ENTEROKINASE CLEAVAGE SEQUENCES	

Attorney Docket No.: DYX-012.1 US

Assistant Commissioner for Patents  
**Box Patent Application**  
Washington, D.C. 20231

**Transmittal of Sequence Listing & Computer Readable Form, For Invention Containing  
Nucleotide and/or Amino Acid Sequence, Under 37 CFR §§1.821-1.825**

Sir:

Transmitted herewith please find: a diskette containing a computer readable form (CRF) copy of the Sequence Listing, and a paper copy of the Sequence Listing for the patent application filed currently with this paper.

Applicant has assigned a separate identifier to each of the 217 sequences disclosed, as required by 37 CFR §§1.821-1.825.

Applicant verifies the following:

1. The enclosed Sequence Listing and the computer readable form of the Sequence Listing for the above-identified patent application are the same in content, as required by 37 CFR §1.821(f);
2. The enclosed Sequence Listing and the computer readable form of the Sequence Listing for the above-identified patent application contain no new matter and do not go beyond the original disclosure of the application, as required by 37 CFR §1.821(g);

0984767 "061994  
T06T99" 294996

3. The enclosed Sequence Listing and the computer readable form of the Sequence Listing for the above-identified patent application are in a form and format in accordance with 37 CFR §§1.822, 1.823, and 1.824.

Respectfully submitted,



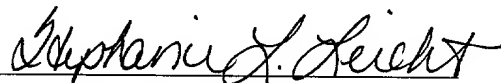
Leon R. Yankwich, Registration No. 30,237  
Attorney for Applicants  
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130 Bishop Allen Drive  
Cambridge, Massachusetts 02139  
telephone: (617) 491-4343  
telefax: (617) 491-8801

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

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19 June 2001

Date



Stephanie L. Leicht